RS-850

COOL START

Remote Engine Starting System

OPERATING INSTRUCTIONS

OPERATION CAUTIONS & WARNINGS

CRIMESTOPPER SECURITY PRODUCTS, INC. *and its* **VENDORS** *shall not be liable for any accident resulting from the use of this equipment. This system is designed to be professionally installed onto a vehicle in which all items, such as parking brake and all associated components, door switches, transmission shift linkage, throttle linkage, and all engine safety features, are in perfect working condition.*

DO NOT install this Remote Engine Starting System on MANUAL TRANSMISSION vehicles. *If accidentally left in gear the vehicle could become a self-propelled threat to life and property.*

IT IS ABSOLUTELY THE OWNER'S SOLE RESPONSIBILITY TO: *A) Understand the operation of this system and its safety features. B) Check for proper operation of these safety features prior to accepting delivery of the vehicle from the installation facility. C) Check and maintain the condition of the vehicle and all items relative to the proper operation of this system and its safety features. D) Always leave the doors and windows closed and locked to protect against accident and theft.*

DO NOT remote start the vehicle in a closed garage. *Make sure that the garage door is open or there is adequate ventilation. Failure to observe this rule could result in* **injury or death** *from poisonous Carbon Monoxide fumes.*

REV. A 08/2003

OPERATION

REMOTE ENGINE STARTING - SUCCESSFUL START:
1. Press and release the remote start button.
2. Parking lights flash once, then turn ON along with the IGN/ACC circuits
3. After a few seconds the Starter Motor engages. (Parking lights and Acc circuits turn off while cranking.)
4. Engine Starts and Runs. Parking Lights and Acc turn back on, Doors Lock.
5. Engine will remain running for programmed run time or until reset with Brake pedal.

REMOTE ENGINE STARTING - UNSUCCESSFUL START

In the event that the engine does not start on the first attempt, the system shuts down for a few seconds, and then attempts to restart the engine a 2nd and 3rd time. For hard starting engines, the unit will allow a starter crank time of up to a maximum of 13 seconds. This should provide ample cranking time for difficult starts, but is limited to help prevent damage to the starter from over cranking in the case of a problem with the system.
1. If engine starts on 2nd or 3rd attempt, see steps 4 & 5 above of "Successful Start".
2. If Third attempt fails to start engine, the system will turn off and doors will remain locked. *NO FURTHER ATTEMPTS WILL BE MADE AUTOMATICALLY*
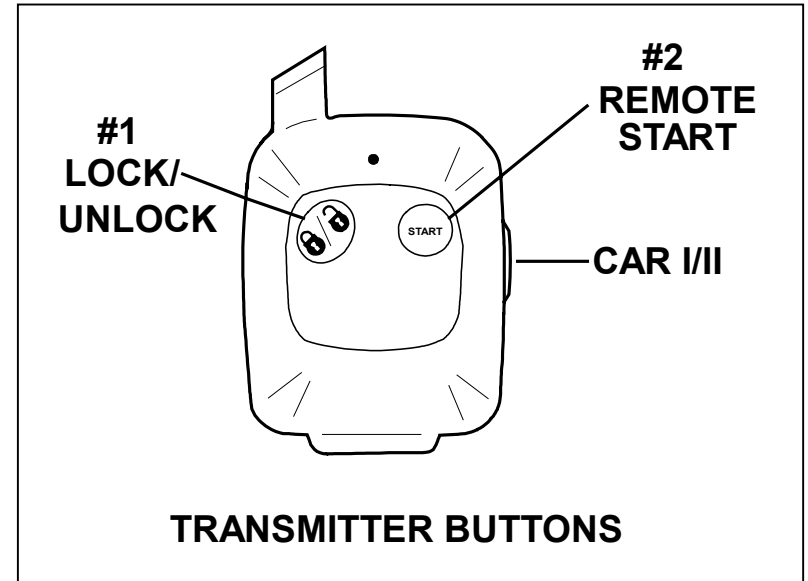
TURNING OFF A REMOTE STARTED ENGINE:
1. Engine is running in Remote Start (Parking lights are ON).
2. Press and release the Remote Start button again.
3. Engine turns & parking lights OFF, Doors remain locked or will re-lock/re-arm if applicable.

KEYLESS ENTRY (POWER DOOR LOCK CONTROL) (OPTIONAL)

This system enables you to remotely lock and unlock the vehicle's doors (if equipped with power locks) through the transmitter for safety and convenience. This feature may require extra labor and/or parts to install. Press the Lock/Unlock button on the transmitter as you leave or come near the vehicle. Parking lights will flash 1X for lock and 2X's for unlock.

NOTES: *Doors lock automatically when vehicle is Remote Started. Starter Disable/Anti-grind is also enabled/disabled with the lock/unlock button. If an anti-grind/starter kill relay is installed on a vehicle without power door locks, the lock/unlock button of the remote control must still be used to operate the Starter disable. We recommend installing the LED also when installing the Optional Starter Disable, as this will be your only indicator that it is active.*

#1
LOCK/
UNLOCK

#2
REMOTE
START

CAR I/II

TRANSMITTER BUTTONS

OPERATION

ANTI-GRIND / STARTER DISABLE (OPTIONAL)
Prevents the driver from accidentally grinding the starter if the Ignition key is turned too far (to the start position) while engine is already running from the remote starter. Starter circuit is automatically disabled when doors are locked using the remote control to act as an added security feature.

VALET MODE / STARTER DISABLE OVERRIDE
Before servicing your vehicle or handing the keys over to a Valet we recommend putting the unit into valet mode. The remote start function WILL NOT operate when in Valet mode. To enter Valet mode, turn the key to the ON position, press and hold Program/Valet switch for 6 seconds. The LED will turn on solid and the system is now in valet. Perform this procedure again to exit of Valet mode. The keyless entry will still function normally while in valet mode. In the event of a lost or broken transmitter, perform this step to override the Optional Starter Disable (If installed).

HOOD OPEN SAFETY SWITCH (WITH INSTALLED HOOD PIN SWITCH)
Prevents the engine being Remote Started when hood is open and will abort a remote start if running. Eliminates risk of injury to someone working under the hood of the vehicle. This unit will not attempt a start if a hood pin is installed.

BRAKE PEDAL RESET CIRCUITRY
Prevents starting or shuts off a remote started vehicle when this circuit is active or activated. Prevents unauthorized tampering. This circuit shuts the system down immediately when brake pedal is pressed if key is not in ignition and turned to the run position.

NOTE:
In the event of a major malfunction, performing electrical service or jumpstarting the vehicle you should remove the main Power Fuse(s) to protect the unit from possible damage.

TRANSMITTER PROGRAMMING

Note: All transmitter codes must be learned at time of programming!! The RS-850 allows storage of up to 4 different transmitter codes.
1. Open Hood (Ground Gray hood pin wire if no hood pin is installed).
2. Turn key to the ON position.
3. Press Programming button 4 times. After a few seconds, the unit will flash the parking lights 4 times.
4. Press button #1 of the transmitter to be coded. You should get 2 light flashes indicating the unit is waiting for a 2nd code, then press button #1 of a second transmitter, the unit will flash 3 times indicating its waiting for the 3rd code and 4 flashes for the 4th code. If all 4 codes are learned, the unit will automatically exit code-learning mode, otherwise turn key off and close hood.

The RS-850 system can be used for 2-car operation. A single RS-850 remote can control two independent vehicles with RS-850 systems installed.

SETUP:
1. *Using the switch on the side of the remote set your controller to Car II.*
2. *At Car II: Simply follow the transmitter programming steps listed on the previous page. Learn YOUR remote, along with Car 2's existing remotes.*

CAR I / CAR II OPERATION

CAR I

↑

Slide

↓

CAR II

START